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Planting Seeds

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Report Highlights:

Argentina's position on Genetically Modified (GM) planting seeds is unclearly defined. No new material has been added to the list of approved GM varieties since July 2001. Breeders are encountering government resistance to the production of non-approved corn hybrids for export to the U.S. Planting seeds for grains and oilseeds production is expected to follow the ups and downs of the crops' planted areas since they are strongly affected by international prices and less so by local consumption. However, pasture planting seeds used for grass production for the domestically oriented cattle and dairy industries have been affected by the fall of beef and dairy products in the local economy.

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Section I: Situation and Outlook

Production

The Production of grain and oilseeds was by far the best agricultural business of 2002 and this trend is expected to continue in CY 2003 due to the strength of the dollar which has made the export of agricultural products highly profitable.

Nearly 99 percent of the soybeans planted in Argentina are from Genetically Modified (GM) varieties. Corn with the Bacillus Turgensis (Bt) gene also became very popular with one million hectares planted in CY 2002. These corn hybrids yield 15 percent more than the conventional ones. That represents an income increase of 70 dollars per hectare with an extra cost of \$15.

Planted Area Comparison

	Planted Area 2000/2001	Planted Area 2001/2002	Planted area 2002/2003
Soybeans	10,613,000	11,640,000	12,630,000
Wheat	6,497,000	7,109,000	6,150,000
Corn	3,345,000	3,064,000	3,064,000
Sunflower	1,976,000	2,050,000	2,365,000
Oat	1,711,000	1,516,000	1,366,000
Sorghum	698,000	592,000	595,000
Rye	373,000	336,000	339,000
Cottonseed	410,000	173,000	158,000
Beans	293,000	273,000	263,000
Peanuts	252,000	225,000	156,000
Barley	246,000	260,000	266,000
Rice	154,000	126,000	137,000
TOTAL	26,568,000	27,364,000	27,489,000

*Provisory data (04/18/2003)

Source: SAGPyA (Secretariat of Agriculture, Livestock, Fishery and Foods of Argentina)

The Production of pasture planting seed is expected to continue to decline in CY 2003 as a result of the lower profitability of the beef and dairy sectors. Beef and dairy products are primary marketed domestically. With salaries lagging behind inflation during CY 2002, prices of beef and dairy products did not increase in peso terms as grains and oilseeds did. Since the production of beef and dairy products less profitable than grains and oilseeds, the use of its main input, grass, is expected to be reduced.

Domestic consumption

Demand for crop planting seeds is expected to continue strong as crop production continues to be the best economic option in Argentina.

Volumes (MT)			
Variety	2000	2001	2002
Soybeans	820,000	883,000	985,000
Corn	202,000	191,000	147,000
Triple Cross	31%	25%	25%
Doble Cross	68%	75%	75%
Sorghum	4,475	4,150	3,840
Sunflower	7,600	7,600	9,600

Source: Pioneer Argentina

Local consumption of pasture seeds has shown a declining trend in the last three years. The FMD outbreak in late 2001, the closure of many beef markets in the world, and the conversion of grazing land into crop land were the main causes for the reduction of the pasture acreage. Industry sources have reported a 90 percent drop in alfalfa sales in 2002.

Volumes (MT)			
Variety	2000	2001	2002
Alfalfa	8000	8000	4000
Clover	1750	1550	560
Ryegrass	4300	5100	550
Fescue	2000	2000	1400
Others	4400	4400	2550

Source: The Argentine Planting Seed Association (ASA)

Trade

Export of the main planting seeds increased during CY 2002 (see tables). Only cottonseed and rye exports decreased. Cottonseed crops failed in Northern Argentina due to unfavorable weather conditions in CY 2002 provoking a reduction in seed supply even for the domestic market.

Due to the devalued currency, imports of planting seeds dropped 50 percent to \$3.6 million in CY 2002. This trend is expected to continue in CY 2003 as the peso continues to weaken against the dollar.

Planting seeds pay no import tariff. A five percent export tax is still imposed on all planting seeds exports. However, exporters are reimbursed with a 2.05 percent rebate.

Factors affecting the Industry

The Brown bag industry involves the reproduction of seed on farm without paying the technical fees and royalties to the respective seed companies.

The Argentine law does not enforce the registration of pasture planting seeds. Therefore, brown bag is a common practice among Argentine farmers with these kinds of products. So far, brown bag has been a problem for some winter cereal seed breeders (wheat, oat, barley and rye) but as their cost of production is low, it does not involve genetic engineering and the marginal price attained by them is good enough as to support the activity.

In the last few years and after the introduction of the GM soybean varieties which are more expensive to produce, the large international breeders that produce such varieties have been seeking out ways to solve the brown bag problem. One way some firms have tried to address this problem is by extending royalties that farmers pay to a multiple-year rate.

Because the characteristics of RR soybeans varieties can be passed on to their offsprings, farmers not only keep their seeds for themselves from one year to another, which is legal, but also sell their surplus as seed instead of grain, which is more profitable and not legal.

Breeders are entitled by law to receive royalties and technical fees for their seeds, but in Argentina neither is administered. Breeders have expressed their discontent with the Argentine Federal Tax Office and their lack of surveillance power which could help solve the situation.

After the banking crisis in early 2002, the Argentine financial system collapsed, and grain became a common currency in the Ag. Sector. A barter system was imposed. Fertilizer, diesel, and seeds prices were set in metric tons of wheat, soybean, corn or sunflower. This new trading system imposed due to the lack of cash has hampered the control over the property rights of the seeds even more.

Currently the Argentine seed industry supplies only 20 percent (2.8 million hectares) of the seed for the total 12.5 million-hectare soybean market. On-farm seed production, which until now is considered a legal practice only if used by the farmer who produced the seed. This accounts for other 20 percent of the total acreage. The remaining 60 percent of acreage is planted with illegally traded brown bag seed.

Argentina's planting seed production for corn supplies the domestic market with GOA's approved GMOs and conventional hybrids. The GMOs currently marketed in Argentina are those that have been through the official approval process.

The Approval of biotech seed varieties involves three steps, with the first two steps involving assessment of the variety for environmental safety by the National Commission on Biotechnology (CONABIA) and human and animal health by the National Animal Plant Health Inspection Service (SENASA). The final step is an economic assessment of the potential impact of approval on Argentine exports of the product (i.e. is the product approved in major Argentine export markets or what impact would have in the Argentine economy if the approved product is not accepted by the EU). This last assessment is carried out by the Agrifood Markets Unit with the Secretariat of Agriculture, Livestock, Fishery and Food of Argentina. The latest biotech seed variety approved by the GOA was the Novartis Agrosem S.A. corn Bt 11 on July 27th 2001. Since then, no new variety has been added to the list. Below is the list of biotech seeds approved and marketed in Argentina.

Table 2: Biotech Planting seeds

Species	Introduced feature	Transformation event	Company	Date of approval
Soybean	Glyphosate tolerant	"40-3-2"	Nidera S.A.	03/25/96
Corn	Worm resistant	"176"	Ciba-Geigy	01/16/96
Corn	Amonium Glufosinate tolerant	"T25"	AgrEvo S.A.	06/23/98
Corn	Worm resistant	"MON 810"	Monsanto Argentina S.A.	07/16/98
Cotton	Worm resistant	"MON 531"	Monsanto Argentina S.A.	07/16/98
Cotton	Glyphosate tolerant	"MON 1445"	Monsanto Argentina S.A.	04/25/99
Corn	Worm tolerant	"Bt 11"	Novartis Agrosem S.A.	07/27/01

Source: CONABIA

Argentina Position and Outlook:

Argentina position towards the usage of GMOs is now uncertain. Although, it is forecast that 98% of the 13 million hectares planted for soybeans in 2002/2003 season will be of the RR type, no new GM varieties have been added to the list of those authorized since July 2001.

According to industry sources the recently launched Argentine National Strategy for Biodiversity (Secretarial of the Environment Resolution # 91/2003) has added one more bottleneck to the approval process. Also, concerns are being risen by the National Direction for Agrifood Markets with the Secretariat of Agriculture on future

market access constraints in the EU because of the likely cross-contamination with GM varieties that are not internationally accepted.

GM Corn Planting Seed Production:

Domestic market: The greatest share of the corn seed production of Argentina goes to the domestic market. GM varieties such as Bt Mon 810; Bt11; Bt176 and T25, together with conventional hybrids, are produced to supply the 160,000 MT annual demand in Argentina.

Export market: With 14,000 MT a year, the size of this market appears small compared with the domestic market, but its importance has grown in the past years. Pioneer and Monsanto are the two biggest exporting companies in Argentina and have invested a great deal in technology during 2001 and 2002 in order to enhance their off-season production of corn planting seed.

The two main planting areas for corn seed production in Argentina are the Santiago del Estero province and the "corn belt" which encompasses northern Buenos Aires, southern Cordoba and southern Santa Fe. The province of Santiago del Estero produces for South American and European markets and "corn belt" supplies the U.S. market.

A total amount of 37.5 million bags are needed yearly to plant an area of 87.5 million hectares in the U.S. GM varieties account for the 50 percent of the total demand of corn planting seeds in the U.S. Argentina has the infrastructure and technology to supply part of this demand with its off-season production of corn.

In 2003, the total off-season production of non-approved GM varieties is expected to reach 8,000 hectares. Exports are projected to reach 800,000 bags at a value of \$24 million. Pioneer alone plans to enlarge the off-season corn seed planted area from 300 hectares to 2,500 hectares reaching a potential production of 250 thousand bags.

The production of off-season corn seed hybrids for the U.S. market represents only a small part of the Argentine seed production business. GM corn varieties that have not been approved by Argentina yet account for 80 percent of that production. South American countries can supply an excellent quality fresh planting material and gain a generation at the same time. The advantages of the off-season production are numerous for both the producing and consumer countries, such as:

1. The lowest production cost
2. The best quality
3. Little risk to miss a harvest
4. Perfect timing between harvest in the Southern Hemisphere and planting in the Northern Hemisphere.

Until 2001 Argentina had approved Biotech varieties with a one year delay with respect to the U.S. However, in 2002 no GM variety was approved and it seems unlikely that the Argentine government will authorize in 2003 the release of any of the three hybrids waiting for approval.

Stacks varieties are those which express more than one transgenic feature. Stacks property rights often belong to more than one breeding company. Thus, the upgraded version of Mon810, the TC1507 has been developed by Dupont-Pioneer/Dow. Stacks, The latter varieties and the NK603, the RR of Monsanto and the Mon863 (Corn

Root Worm); began the process of approval in Argentina in July 2001. However, in the U.S. such varieties have already been approved and their advantages have been displayed.

The technological gap between the U.S. and Argentina has forced companies to apply for a permit to plant unapproved material only to be exported to the U.S. Last year, despite the submission of a protocol prepared by the companies in order to assure the biosafety of the plantations and the handled material, the GOA denied such permit to Monsanto and allowed Pioneer to sow 50 hectares out of the 300 that it had requested.

The timeliness in which the permit is granted is of utmost importance. Planting dates must be respected in order to attain high yields. Also, everything must be synchronized as there are only two months between harvest time in Argentina and the sowing season in the Northern Hemisphere (March -May). In those two month a series of activities be carried out.

Last year the GOA granted permits in November, one month after the corn sowing date. Companies interested in planting non-approved GM corn varieties have not yet submitted the permit applications for the 2003 season. Despite the fact that this year the protocol has been written by CONABIA, breeders fear that the permit will be denied. Industry sources report that non-approved GM variety may not be allowed to be sown in Argentina in 2003.

Section II: Statistical Tables

Exports

EXPORTS BY COMMODITY	Quantity (MT)			FOB Value (\$)		
	January - December			January - December		
Commodity	2001	2002	2003*	2001	2002	2003*
-TOTAL-	32,585	33,379	4,346	37,487,256	38,448,237	6,631,874
Wheat -durum	4	164	0	2,648	52,991	0
Wheat -non durum	1	28	0	255	11,214	250
Rye	3	0	0	1,260	0	0
Barley	2	32	3	1,269	16,979	2,019
Barley -forage	1	1	0	84	53	0
Corn	14,018	14,148	3,896	21,605,269	21,153,657	5,307,088
Rice	0	14	0	0	3,183	0
Sorghum	746	834	34	926,100	1,147,599	45,744
Soya	14,533	14,768	6	5,216,061	5,270,491	3,172
Rape	20	1	0	40,288	900	0
Sunflower	1,588	2,314	105	5,037,712	7,441,656	579,748
Cotton	1,275	150	0	1,695,901	90,014	81
Alfalfa	18	80	152	72,566	157,442	407,174
Clover	193	254	66	463,066	524,831	122,430
Fescue	20	156	0	37,938	121,784	0
Ray Grass	36	337	80	33,996	268,268	78,138
Vegetable seeds	126	98	3	2,352,843	2,187,175	86,030

EXPORTS BY COUNTRY	Quantity (MT)			FOB Value (\$)		
	January - December			January - December		
Country	2001	2002	2003*	2001	2002	2003*
- World -	32,585	33,379	4,346	37,487,256	38,448,237	6,631,874
Australia	20	0	0	37,825	0	0
Belgium	0	3	0	0	4,236	0
Bolivia	1,271	1,625	28	2,689,063	3,551,877	50,475
Brazil	2,538	3,291	104	4,995,830	5,625,544	626,432
Bulgaria	0	0	0	0	0	0
Canada	1	80	0	578	156,191	0
Chile	124	151	0	1,317,856	1,112,426	3,158
China	420	385	0	1,126,654	1,113,287	0
Colombia	146	168	0	214,945	269,146	10
Denmark	0	0	0	0	0	0
Ecuador	1	0	0	5,375	0	0
Egypt	0	0	0	0	0	0
France	28	48	24	56,663	103,628	26,247
Germany	1	45	16	6,009	72,114	27,105
Greece	0	0	0	0	153	0
Hungary	2	0	0	6,015	0	0
India	0	0	0	71	0	0
Iran	0	0	0	0	0	0
Italy	5	130	0	7,584	97,955	150
Japan	84	24	0	745,030	794,778	0
Korea, South	0	0	0	6,752	0	0
Mexico	0	0	0	17	0	0
Netherlands	743	651	841	1,086,874	956,939	1,002,037
New Zealand	0	0	20	484	81	19,500
Pakistan	12	0	0	19,860	70	0
Paraguay	1,325	379	44	1,891,135	604,768	44,515
Peru	204	348	0	386,752	426,248	0
Portugal	0	1	0	593	1,275	0
Puerto Rico	0	0	0	312	183	0
Romania	0	0	0	0	0	0
Saudi Arabia	0	0	3	0	0	3,210
South Africa	651	49	0	360,511	213,883	0
Spain	217	31	235	265,273	62,959	235,060
Switzerland	0	0	0	10	0	0
Thailand	91	0	0	244,508	0	0
Turkey	0	20	0	1,491	20,621	20
United Kingdom	0	0	20	0	0	16,238
United States	21,528	20,452	2,936	17,430,671	16,360,070	4,445,449
Uruguay	3,172	4,596	74	4,582,515	5,683,826	132,268
Venezuela	0	899	0	0	1,213,281	0
Yugoslavia	0	1	0	0	2,698	0

WHEAT	Quantity (MT)			Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	188.48	4.15	163.81	32,648	2,648	52,991
Uruguay	188.00	4.00	150.00	32,376	2,480	38,700
Italy	0.39	0.09	13.81	195	99	14,291
Spain	0.00	0.06	0.00	0	59	0
France	0.10	0.00	0.00	72	0	0

BARLEY	Quantity (MT)			FOB Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	1.4	1.5	31.9	1,048.0	1,215.0	16,979.0
Uruguay	0.0	0.0	30.0	0.0	0.0	15,404.0
United States	1.0	1.0	1.6	740.0	801.0	1,370.0
France	0.4	0.5	0.3	306.0	414.0	205.0

RYE	Quantity (MT)			FOB Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	56.0	3.0	0.0	11,942.0	1,260.0	0.0
Chile	56.0	0.0	0.0	11,942.0	0.0	0.0
Uruguay	0.0	3.0	0.0	0.0	1,260.0	0.0

OAT	Quantity (MT)			FOB Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	991.0	0.0	0.0	207,510.0	0.0	0.0
Uruguay	991.0	0.0	0.0	207,510.0	0.0	0.0

CORN	Quantity (MT)			FOB Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	26,409.94	14,018.28	14,147.75	40,078,686	21,605,269	21,153,657
United States	21,504.27	8,629.94	7,627.42	33,238,569	12,421,448	11,401,330
Brazil	538.63	2,259.46	3,054.79	853,169	4,336,277	4,817,710
Venezuela	0.00	0.00	898.73	0	0	1,213,281
Uruguay	1,765.44	1,350.18	867.53	2,301,378	2,060,425	1,315,400
Bolivia	761.62	572.43	565.59	1,101,721	807,160	643,367
Netherlands	0.00	742.70	477.13	0	1,085,981	812,980
Peru	145.15	203.68	347.92	228,171	385,358	425,734
Colombia	55.56	121.64	142.98	102,000	186,776	239,271
Paraguay	223.65	31.50	50.29	221,811	40,013	83,088
France	481.99	6.50	44.23	840,835	14,214	73,241
Spain	1.11	5.44	30.28	1,227	27,200	60,279
Turkey	0.00	0.32	20.48	0	1,491	20,621
Chile	151.28	11.22	10.50	19,383	14,814	22,337
Belgium	0.00	0.00	2.98	0	0	4,236
Germany	87.20	0.86	2.79	171,651	1,216	7,594
South Africa	570.45	3.66	1.72	795,037	36,600	8,574
Yugoslavia	0.00	0.00	0.92	0	0	2,673
Portugal	9.05	0.40	0.85	18,630	593	1,275
China	5.85	0.46	0.41	15,115	1,440	413

Puerto Rico	0.03	0.01	0.16	16	34	183
Pakistan	0.09	6.78	0.05	193	6,992	70
India	0.00	0.04	0.00	0	71	0
Japan	0.00	64.82	0.00	0	167,211	0
Thailand	0.00	0.02	0.00	0	40	0
Hungary	5.99	1.21	0.00	14,970	2,506	0
Italy	102.30	5.00	0.00	154,530	7,366	0
Mexico	0.28	0.00	0.00	280	0	0
Canada	0.00	0.01	0.00	0	43	0

RICE	Quantity (MT)			FOB Value (\$)		
	January - December			January - December		
	2000	2001	2002	2000	2001	2002
- World -	0.0	0.0	14.3	14.0	0.0	3,183.0
Paraguay	0.0	0.0	12.4	0.0	0.0	2,854.0
Brazil	0.0	0.0	1.9	0.0	0.0	327.0
Uruguay	0.0	0.0	0.0	0.0	0.0	2.0

GRAIN SORGHUM	Quantity (MT)			FOB Value (\$)		
	January - December			January - December		
	2000	2001	2002	2000	2001	2002
- World -	2,219.46	746.14	833.81	2,443,048	926,100	1,147,599
Uruguay	926.93	302.24	423.25	941,572	443,456	545,245
Bolivia	429.74	197.93	252.99	553,601	269,240	424,279
Brazil	163.37	129.09	68.35	93,318	66,125	86,708
Paraguay	169.12	90.65	61.90	210,290	117,721	60,482
Colombia	17.00	24.49	25.19	27,595	28,169	29,275
Japan	0.00	1.00	1.48	0	1,000	1,284
United States	4.68	0.72	0.61	3,858	373	303
Peru	0.00	0.00	0.05	0	0	23
Puerto Rico	0.01	0.00	0.00	22	0	0
Venezuela	508.62	0.00	0.00	612,792	0	0
Pakistan	0.00	0.01	0.00	0	0	0

SOYBEANS	Quantity (MT)			FOB Value (\$)		
	January - December			January - December		
	2000	2001	2002	2000	2001	2002
- World -	10,923.43	14,533.12	14,768.23	3,978,122	5,216,061	5,270,491
United States	10,125.08	12,824.57	12,708.87	3,700,989	4,500,622	4,583,076
Uruguay	248.51	977.52	2,037.84	100,161	369,104	666,912
South Africa	0.00	638.83	20.09	0	283,288	19,635
France	0.00	0.01	1.07	0	10	432
Brazil	548.79	0.06	0.37	176,053	60	436
Bolivia	0.96	0.00	0.00	847	0	0
Paraguay	0.01	0.00	0.00	6	0	0

RAPE	Quantity (MT)			FOB Value (\$)		
	January - December			January - December		
	2000	2001	2002	2000	2001	2002
- World -	12,645	6,228	109	2,202,369	1,127,544	31,054
Brazil	114	0	108	33,409	0	30,154
Bolivia	0	0	1	0	0	900
Mexico	12,490	0	0	2,144,242	0	0
Paraguay	4	0	0	11,071	0	0
Uruguay	3	0	0	965	288	0

France	34	20	0	12,682	40,000	0
Netherlands	0	6,188	0	0	1,082,900	0
Germany	0	20	0	0	4,356	0

SUNFLOWER	Quantity (MT)			Value (\$)		
	January - December			January - December		
	2000	2001	2002	2000	2001	2002
- World -	1,743.66	1,588.15	2,313.52	5,909,896	5,037,712	7,441,656
Bolivia	791.69	494.44	799.99	2,873,184	1,592,621	2,475,658
Uruguay	189.38	304.14	786.86	533,617	1,029,813	2,490,467
China	0.04	419.85	384.90	132	1,125,214	1,112,874
Brazil	228.53	135.20	140.02	881,087	539,298	664,512
Paraguay	48.42	58.80	103.95	172,872	216,573	361,726
United States	346.74	57.68	58.20	1,042,615	176,745	144,623
South Africa	8.37	8.70	27.36	49,254	40,023	185,530
Chile	6.82	8.40	10.94	16,770	47,400	2,324
France	42.73	1.28	0.69	122,571	1,942	921
Spain	0.07	1.57	0.28	172	2,814	2,680
Yugoslavia	0.00	0.00	0.16	0	0	25
Greece	0.00	0.00	0.12	0	0	153
Germany	0.37	0.07	0.07	1,057	245	163
Hungary	0.00	0.70	0.00	4	3,509	0
Italy	0.06	0.00	0.00	184	2	0
Netherlands	0.18	0.33	0.00	91	893	0
Turkey	0.19	0.00	0.00	161	0	0
Japan	0.00	1.20	0.00	0	3,144	0
Pakistan	0.00	5.22	0.00	0	12,852	0
Thailand	80.05	90.51	0.00	216,062	244,468	0
Ecuador	0.01	0.00	0.00	38	0	0
Mexico	0.01	0.01	0.00	25	17	0
Puerto Rico	0.00	0.05	0.00	0	139	0

LINSEED	Quantity (MT)			FOB Value (\$)		
	January - December			January - December		
	2000	2001	2002	2000	2001	2002
- World -	1,427	9,558	719	478,947	1,723,754	257,030
Brazil	533	870	213	141,011	210,468	53,166
Belgium	205	261	140	77,352	102,436	53,275
Germany	79	29	111	45,038	12,025	67,762
Bolivia	201	329	87	33,240	57,179	13,920
Netherlands	148	98	80	57,634	41,160	36,384
United States	70	0	60	27,808	0	23,100
Paraguay	12	12	15	3,810	3,944	4,500
Uruguay	0	0	14	0	0	4,900
Japan	0	0	0	0	0	23
Denmark	105	97	0	68,237	53,349	0
Spain	0	0	0	0	390	0
Italy	0	7,798	0	0	1,223,126	0
Switzerland	32	0	0	12,872	0	0
Chile	43	64	0	11,945	19,677	0

COTTONSEED	Quantity (MT)			FOB Value (\$)		
	January - December			January - December		
	2000	2001	2002	2000	2001	2002
- World -	1,426	1,275	150	3,119,542	1,695,901	90,014
Paraguay	1,364	1,050	150	3,052,727	1,440,560	90,000

Chile	0	0	0	0	0	13
United States	2	1	0	7,040	32	1
Bolivia	60	0	0	59,769	0	0
Brazil	0	14	0	3	18,715	0
Peru	0	0	0	0	1,394	0
Spain	0	210	0	0	235,200	0
Switzerland	0	0	0	3	0	0

ALFALFA	Quantity (MT)			FOB Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	125	18	80	549,492	72,566	157,442
Canada	4	1	80	12,300	535	156,191
Peru	1	0	0	4,100	0	491
Bolivia	12	3	0	42,000	12,052	160
Colombia	0	0	0	0	0	600
Chile	16	0	0	70,500	0	0
Ecuador	0	1	0	0	5,375	0
United States	1	0	0	1,513	6	0
Paraguay	2	2	0	12,124	6,660	0
Puerto Rico	0	0	0	36	0	0
Uruguay	89	13	0	405,929	47,938	0
France	0	0	0	990	0	0

CLOVER	Quantity (MT)			FOB Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	367	193	254	970,553	463,066	524,831
Uruguay	360	173	135	948,404	405,270	282,530
Germany	0	0	36	0	0	59,508
United States	0	0	32	0	0	63,628
Brazil	2	0	25	5,740	0	55,100
Chile	6	18	25	16,409	50,760	63,500
Bolivia	0	2	0	0	6,860	562
New Zealand	0	0	0	0	176	3

FESCUE	Quantity (MT)			FOB Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	102	20	156	131,498	37,938	121,784
Italy	0	0	86	0	0	61,800
Uruguay	59	0	50	90,300	0	40,501
United States	43	0	11	41,198	0	6,867
Netherlands	0	0	6	0	0	7,933
Bolivia	0	0	4	0	0	4,606
New Zealand	0	0	0	0	113	77
Australia	0	20	0	0	37,825	0

RYE GRASS	Quantity (MT)			FOB Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	76	36	337	62,504	33,996	268,268
Netherlands	0	0	168	0	0	128,226
Uruguay	39	36	76	27,700	32,811	77,746
Chile	37	0	55	34,804	0	32,500

Italy	0	0	30	0	0	21,850
Germany	0	0	6	0	0	4,849
Bolivia	0	1	2	0	990	2,345
Brazil	0	0	1	0	0	751
New Zealand	0	0	0	0	195	1

VEGETABLE SEEDS	Quantity (MT)			FOB Value (\$)		
	January - December			January - December		
	2000	2001	2002	2000	2001	2002
- World -	104	126	98	2,017,117	2,352,843	2,187,175
Chile	46	86	49	957,495	1,204,882	991,752
Japan	21	17	22	486,238	573,675	793,494
United States	19	12	12	349,936	330,560	158,605
Uruguay	7	10	11	110,772	189,670	200,048
France	0	0	2	0	0	28,700
Paraguay	0	0	1	2,792	6,770	6,618
Netherlands	0	0	0	0	0	7,800
South Africa	0	0	0	0	600	144
Italy	0	0	0	20	117	14
Korea, South	0	0	0	5,280	6,720	0
Denmark	8	0	0	82,493	0	0
Germany	0	0	0	111	4,494	0
Australia	0	0	0	6,250	0	0
Brazil	1	0	0	15,730	35,355	0

Imports

IMPORTS BY COMMODITY	Quantity (MT)			CIF Value (\$)		
	January - December			January - December		
	2001	2002	2003*	2001	2002	2003*
- TOTAL -	15,968	9,909	1,053	40,813,811	22,779,457	2,023,664
Wheat durum	7	77	0	11,141	34,923	0
Wheat non durum	135	58	0	62,443	26,243	81
Rye	20	40	0	5,481	12,797	0
Barley	1	0	0	3,252	0	0
Forage Barley	1	0	0	590	2,093	0
Oats	516	555	0	115,667	130,161	0
Corn	988	1,792	1	4,884,818	5,422,676	7,644
Rice	13	14	0	7,860	16,911	0
Sorghum	63	676	51	91,192	658,501	66,976
Soya	671	542	0	1,427,940	708,136	1,078
Peanuts	20	19	0	25,280	38,364	0
Linseed	13	40	0	13,193	17,928	0
Rape	0	0	0	3,217	312	0
Sunflower	1,459	1,887	0	2,239,785	2,455,649	234
Cotton	33	26	0	62,722	39,087	214
Alfalfa	6,767	3,265	268	21,294,649	8,720,897	444,159
Clover	1,109	334	261	1,984,107	547,051	385,837
Fescue	156	29	164	221,678	37,009	141,657
Rye Grass	3,692	397	266	2,227,120	272,510	166,316
Vegetables	303	159	42	6,131,676	3,638,209	809,468

IMPORTS BY COUNTRY	Quantity (Kg)			CIF Value (\$)		
	January - December			January - December		
Country	2001	2002	2003	2001	2002	2003
- World -	15,968	9,909	1,053	40,813,811	22,779,457	2,023,664
Australia	1,832	1,489	190	4,305,426	2,973,055	265,170
Austria	0	0	0	60	499	0
Belgium	0	0	0	0	161	0
Bolivia	0	1	0	1,831	3,854	187
Brazil	477,883	1,197	0	364,746	812,026	25,358
Canada	717	578	0	1,697,619	1,077,178	0
Chile	1,690	2,121	166	4,086,152	3,097,507	270,053
China	1	0	0	111,668	41,951	0
Colombia	0	0	0	132	0	0
Denmark	656	167	11	0	0	0
France	478	214	0	943,229	309,297	70,295
France	0	0	0	1,870,741	940,149	39,058
Germany	854	112	40	687,000	90,754	56,641
Guatemala	0	0	0	17,244	5,218	0
Hungary	40	0	0	72,083	61	0
India	0	0	0	24,161	36,238	46
Israel	0	0	0	309,051	219,946	110,165
Italy	498	31	15	1,117,221	185,357	74,218
Jamaica	0	0	0	0	0	0
Japan	2	3	1	202,508	160,811	42,292
Korea, South	0	0	0	0	0	634
Mexico	0	0	0	51,559	84,739	12,546
Netherlands	247	109	6	1,267,590	676,042	128,626
New Zealand	563	23	7	570,187	43,104	13,394
Paraguay	171	0	0	32,512	0	0
Peru	0	0	0	55,535	6,018	0
Philippines	0	0	0	0	8	0
Portugal	0	0	0	156	214	0
Puerto Rico	9	9	0	49,237	30,052	418
Romania	0	0	0	0	0	0
Singapore	0	0	22	0	0	32,100
Slovenia	0	0	0	0	785	0
South Africa	220	555	25	226,564	504,995	51,529
Spain	44	49	0	165,492	132,342	4,128
Sweden	0	0	0	197	0	0
Switzerland	1	1	0	2,662	608	0
Taiwan	0	0	0	10,181	0	0
Thailand	1	0	0	570,787	400,095	1,333
Turkey	0	0	0	0	56	0
United Kingdom	0	0	0	234	0	0
United States	5,841	3,090	441	21,349,567	10,780,566	691,177
Uruguay	1,611	160	129	609,214	161,447	134,295
Venezuela	0	0	0	0	0	0
Yugoslavia	0	1	0	107	4,276	1
Zimbabwe	13	0	0	41,158	48	0

WHEAT	Quantity (MT)			CIF Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	7.39	6.87	77.43	2,636	11,141	35,061
Spain	0.00	0.00	46.11	101	0	23,709
Brazil	0.00	0.00	24.53	0	0	7,657
Uruguay	0.00	0.00	6.50	0	0	2,382
France	0.09	5.74	0.19	379	6,256	941
Mexico	0.09	0.01	0.07	127	15	63
South Africa	0.00	0.03	0.02	0	85	11
Italy	6.56	0.43	0.01	1,350	2,010	52
United States	0.00	0.01	0.00	67	113	57
Canada	0.00	0.00	0.00	66	0	11
Chile	0.01	0.00	0.00	61	0	0
Switzerland	0.64	0.64	0.00	485	2,662	0

RYE	Quantity (MT)			CIF Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	0.01	20.00	40.00	0	5,481	12,797
Brazil	0.00	20.00	40.00	0	5,481	12,797

BARLEY	Quantity (MT)			CIF Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	56.21	0.53	0.00	43,738	3,252	0
Canada	0.02	0.15	0.00	106	1,128	0
United States	0.30	0.12	0.00	1,394	538	0
France	0.38	0.24	0.00	1,695	1,405	0
Germany	55.50	0.01	0.00	40,540	181	0

OATS	Quantity (MT)			Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	414.02	516.01	555.02	95,026	115,667	130,161
Brazil	130.00	320.00	555.00	27,973	71,324	130,052
France	0.02	0.00	0.02	81	0	76
United States	0.03	0.01	0.00	422	46	33
Chile	0.00	25.00	0.00	0	11,837	0
Paraguay	282.78	171.00	0.00	65,069	32,460	0
Italy	0.01	0.00	0.00	1	0	0
Australia	1.18	0.00	0.00	1,480	0	0

CORN	Quantity (MT)			Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	3,020.52	975.11	1,791.50	8,853,666	4,843,561	5,422,527
Brazil	382.49	107.28	562.83	713,682	165,515	510,946
United States	2,244.18	572.19	523.04	6,595,258	3,738,930	4,094,993
South Africa	155.85	196.46	492.10	136,688	169,443	423,127
Chile	213.10	49.05	184.47	1,251,430	618,612	271,146
Argentina	0.99	12.90	12.50	4,431	33,016	34,505
France	4.53	7.87	9.93	38,086	57,981	59,959

Puerto Rico	0.61	2.73	4.64	6,196	15,191	14,306
Germany	3.00	4.67	0.82	11,911	17,169	2,785
Canada	4.37	0.20	0.62	46,962	2,518	8,935
Italy	10.55	21.59	0.30	40,826	24,391	819
Belgium	0.00	0.00	0.09	0	0	161
Portugal	0.03	0.03	0.05	145	156	214
Thailand	0.56	0.00	0.03	6,364	89	298
Yugoslavia	0.00	0.00	0.02	0	0	3
Austria	0.00	0.02	0.02	0	60	64
Mexico	0.05	0.07	0.02	252	289	177
Uruguay	0.00	0.03	0.02	0	173	89
Hungary	0.10	0.03	0.00	1,348	28	0
Bolivia	0.11	0.00	0.00	87	0	0

RICE	Quantity (MT)			Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	7.15	13.49	13.97	4,227	7,754	16,911
Uruguay	0.00	7.74	10.22	0	2,830	3,870
United States	0.09	0.67	3.76	922	3,604	13,041
Chile	2.04	0.00	0.00	1,350	0	0
Brazil	5.02	5.09	0.00	1,955	1,320	0

SORGHUM	Quantity (MT)			Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	2,947.98	54.58	676.14	2798430	79405	658428
United States	1,063.03	51.30	596.32	915258	69560	562876
Australia	1,869.67	0.00	68.04	1869717	0	88395
South Africa	0.01	0.11	10.00	85	432	4989
Brazil	0.34	0.36	1.71	640	1891	1644
Mexico	0.03	0.00	0.07	86	0	524
Puerto Rico	0.58	0.71	0.00	2976	6587	0
Thailand	0.01	0.00	0.00	52	0	0
Belgium	2.88	2.10	0.00	1210	935	0
Bolivia	11.00	0.00	0.00	6149	0	0
Jamaica	0.45	0.00	0.00	2257	0	0

SOYBEANS	Quantity (MT)			Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	238,303.88	328,595.91	260,673.72	45,040,823	58,616,332	45,754,599
Paraguay	237,440.30	327,924.83	259,369.79	44,121,493	57,188,238	44,854,259
Brazil	235.21	0.05	712.27	109,634	346	173,340
United States	487.11	648.20	577.51	759,752	1,371,041	700,496
Canada	0.96	16.72	11.93	2,720	41,996	20,844
Puerto Rico	1.37	1.58	1.22	3,866	5,570	2,811
France	0.00	2.92	1.00	0	6,922	2,789
Argentina	108.75	0.02	0.00	36,158	83	60
Bolivia	28.67	0.00	0.00	6,501	0	0
Italy	0.00	1.60	0.00	0	2,136	0
Switzerland	0.02	0.00	0.00	80	0	0
Taiwan	1.32	0.00	0.00	409	0	0
Thailand	0.18	0.00	0.00	210	0	0

LINSEED	Quantity (MT)			CIF Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	5.1	13.0	54.3	11,770	13,117	23,478
Canada	0.0	0.0	40.0	0	0	17,928
Argentina	0.0	0.0	14.0	0	131	5,377
United States	0.0	0.0	0.3	0	0	173
Germany	5.0	13.0	0.0	11,770	12,986	0

RAPE	Quantity (MT)			CIF Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	0.000	0.000	0.016	0	0	5,840
Germany	0.000	0.000	0.013	0	0	2,571
Canada	0.000	0.000	0.027	0	0	2,702
Sweden	0.000	0.000	0.009	0	0	567

SUNFLOWER	Quantity (MT)			Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	12,595.47	1,759.31	2,386.97	12,000,000	2,302,939	2,593,915
Chile	6,500.96	1,386.22	1,811.73	9,795,192	1,965,032	2,231,917
Uruguay	5,381.80	300.00	500.00	739,703	63,600	137,865
South Africa	357.94	15.29	52.79	724,033	11,676	76,868
United States	41.17	27.89	12.71	320,308	101,407	71,056
Puerto Rico	1.71	3.86	3.35	13,977	6,030	36,855
Spain	68.17	24.85	2.36	296,302	129,373	14,385
France	0.81	0.67	1.93	6,068	21,889	12,935
Yugoslavia	0.00	0.00	0.79	0	107	4,272
Bolivia	161.19	0.13	0.69	194,215	1,831	3,854
Australia	14.84	0.01	0.35	33,328	50	1,636
Netherlands	0.02	0.01	0.10	244	122	1,268
Austria	0.00	0.00	0.07	0	0	435
Brazil	0.01	0.04	0.06	0	0	352
India	0.00	0.00	0.03	170,636	77	78
Hungary	0.04	0.00	0.01	40	236	78
Argentina	62.73	0.00	0.00	521	55	61
Italy	4.09	0.35	0.00	12,489	1,454	0

COTTONSEED	Quantity (MT)			CIF Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	23.65	32.80	26.09	52,407	62,714	39,087
Australia	0.92	16.02	19.23	3,470	17,552	21,922
United States	22.73	16.78	6.86	48,937	45,162	17,165

ALFALFA	Quantity (MT)			Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	8,020.86	6,766.77	3,264.83	26,582,741	21,294,649	8,720,897
Australia	2,323.40	1,458.25	1,329.93	5,739,530	3,647,401	2,739,640
United States	4,176.99	3,767.48	1,237.92	16,695,428	13,888,577	4,503,471
Canada	686.24	603.84	525.20	2,012,769	1,538,495	1,028,595
France	291.74	385.73	171.78	934,216	1,144,848	449,086
Chile	70.00	48.00	0.00	323,164	161,856	65

Uruguay	0.65	0.00	0.00	4,535	29	40
Hungary	0.00	40.00	0.00	0	72,000	0
Italy	467.45	423.48	0.00	859,900	773,177	0
Germany	0.00	40.00	0.00	0	68,266	0
Mexico	4.40	0.00	0.00	13,199	0	0

CLOVER	Quantity (MT)			CIF Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	1,674.53	1,108.64	333.84	2,925,098	1,984,107	547,051
Chile	490.15	160.00	115.20	944,510	350,495	169,796
Australia	464.89	320.75	71.85	925,726	570,493	121,369
Uruguay	0.45	45.10	57.20	3,667	82,989	115,714
Germany	160.00	136.65	30.00	230,829	203,127	42,390
United States	107.03	243.36	27.51	250,618	494,404	44,325
New Zealand	87.91	69.37	20.28	177,588	111,376	37,494
France	0.00	0.00	10.00	0	0	14,140
Italy	7.00	0.00	1.80	11,666	0	1,823
Denmark	19.30	58.40	0.00	38,666	86,540	0
Canada	337.80	75.00	0.00	341,828	84,683	0

FESCUE	Quantity (MT)			CIF Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	725.11	156.45	28.79	921,438	221,678	37,009
Denmark	41.20	39.90	18.83	63,517	53,069	17,492
United States	568.62	40.33	9.62	688,919	55,242	18,823
Italy	0.00	0.00	0.30	0	0	346
New Zealand	0.50	0.01	0.04	2,949	71	323
France	39.75	0.74	0.00	66,506	2,026	25
Canada	2.00	13.07	0.00	4,577	23,083	0
Uruguay	24.00	0.00	0.00	23,028	0	0
Netherlands	40.55	18.42	0.00	56,615	26,297	0
Germany	7.50	20.00	0.00	9,838	29,250	0
Australia	1.00	24.00	0.00	5,489	32,640	0

RAY GRASS	Quantity (MT)			CIF Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002
- World -	3,173.32	3,692.30	396.51	2,418,372	2,227,120	272,510
Denmark	493.04	489.59	104.13	407,548	363,209	62,089
Netherlands	220.44	176.40	99.88	187,805	131,434	60,474
Germany	1,031.00	640.00	80.70	581,580	354,741	45,287
United States	809.39	392.70	76.56	779,173	419,005	78,894
Uruguay	233.03	1,493.28	30.03	110,275	502,549	18,350
Italy	14.00	0.00	3.00	9,898	0	2,129
New Zealand	262.57	487.59	2.23	247,876	445,160	5,287
France	14.60	0.72	0.00	22,148	1,740	0
Australia	20.50	12.00	0.00	9,146	9,120	0
South Africa	0.00	0.01	0.00	0	162	0
Canada	74.75	0.00	0.00	62,923	0	0

VEGETABLE SEEDS	Quantity (MT)			CIF Value (\$)		
	January - December			January - December		
Country	2000	2001	2002	2000	2001	2002

- World -	345.71	302.64	158.74	7,678,936	6,131,676	3,638,209
United States	113.07	58.79	49.07	1,838,512	1,136,417	655,048
Denmark	87.20	68.59	44.19	535,939	440,367	229,716
Italy	27.68	50.59	25.19	255,515	313,579	180,192
France	33.82	29.86	17.30	889,619	612,460	371,941
Chile	24.39	21.65	9.50	1,247,882	978,320	424,583
Netherlands	51.06	52.55	8.67	1,131,678	1,109,454	614,224
Japan	1.80	2.03	3.12	162,914	202,159	160,501
Brazil	0.46	0.48	0.46	44,136	61,724	113,987
Thailand	2.01	0.64	0.35	952,457	570,698	399,797
India	0.01	0.07	0.32	23,940	24,161	35,831
Spain	0.69	0.41	0.26	37,348	30,099	94,324
Slovenia	0.00	0.00	0.11	0	0	785
China	0.06	0.68	0.09	35,560	111,668	41,951
Mexico	0.08	0.03	0.04	119,464	51,104	83,928
Guatemala	0.00	0.00	0.04	109	17,244	5,218
Israel	0.09	0.06	0.03	292,200	308,810	219,946
Argentina	0.50	1.19	0.01	15,492	11,331	93
Germany	0.28	0.00	0.01	1,431	0	126
Peru	0.02	0.02	0.00	20,468	55,535	6,018
Korea, South	0.00	0.00	0.00	89	0	0
Taiwan	0.00	0.01	0.00	4,453	10,181	0
South Africa	0.33	8.50	0.00	20,856	44,615	0
Australia	2.14	0.51	0.00	48,874	28,170	0
New Zealand	0.00	6.00	0.00	0	13,580	0

Prices

Avg. Domestic Prices (US Dollars)			
	April		
Variety	2001	2002	2003*
Wheat durum	0.20	0.18	0.18
Oats	0.20	0.18	0.27
Corn	2.45	2.00	2.70
Sorghum Hybrid	2.20	2.35	1.08
Soya	0.28	0.25	0.25
Soya RR	0.45	0.45	0.41
Sunflower	2.50	2.50	2.50
Alfalfa	4.50	4.50	4.00
Clover	3.20	2.44	2.95
Fescue	1.60	1.02	1.86
Ray Grass	1.40	1.17	1.53
Phalaris	3.80	4.00	2.71
Lotus Corniculatus	2.00	1.66	1.97

Avg FOB Prices (US Dollars)				
		January - December		
Variety	2000	2001	2002	2003*
Wheat durum	0.17	0.64	0.32	0.00
Wheat non durum	0.25	0.22	0.39	0.97
Rye	0.21	0.42	0.00	0.00
Barley	0.77	0.80	0.53	0.78
Barley forage	0.10	0.11	0.11	0.00
Oats	0.21	0.00	0.00	0.00
Corn	1.52	1.54	1.50	1.36
Rice	1.00	0.00	0.22	0.00
Sorghum	1.10	1.24	1.38	1.34
Soya	0.36	0.36	0.36	0.50
Rape	2.77	2.01	1.50	0.00
Sunflower	3.39	3.17	3.22	5.51
Cottonseed	2.19	1.33	0.6	0.84
Alfalfa	4.38	3.93	1.96	2.68
Clover	2.64	2.40	2.07	1.84
Fescue	1.29	1.89	0.78	0.00
Ray Grass	0.82	0.93	0.8	0.98
Vegetable seeds	19.4	18.72	22.3	30.91

Avg CIF Prices (US Dollars)		January - December		
Variety	2000	2001	2002	2003
Wheat durum	0.36	1.62	0.45	0.00
Wheat non durum	0.41	0.46	0.45	13.5
Rye	6.75	0.27	0.32	0.00
Barley	0.78	6.18	0.00	0.00
Forage Barley	0.94	0.62	4.54	0.00
Oats	0.23	0.22	0.23	0.00
Corn	2.93	4.94	3.03	10.39
Rice	0.59	0.58	1.21	0.00
Sorghum	0.95	1.45	0.97	1.31
Soya	1.09	2.13	1.31	6.16
Peanuts	1.04	1.25	2.04	0.00
Linseed	2.41	1.01	0.45	0.00
Rape	3.70	6.69	78.0	0.00
Sunflower	1.61	1.53	1.30	13.0
Cotton	2.22	1.91	1.50	4.98
Alfalfa	3.31	3.15	2.67	1.66
Clover	1.75	1.79	1.64	1.48
Fescue	1.27	1.42	1.29	0.86
Ray Grass	0.76	0.60	0.69	0.62
Vegetables	22.21	20.26	22.92	19.15